



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D4776-5**

**Job Sheet 189175**



Part No: D4776-5

Job Qty: 180 pcs

Part Name: Spacer



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 1/21/19

Job Tracking No:

Due Date: 2/20/19

Created By: Dara Macdonald

Type: Stock

Description:

Note: DWG D4776 REV:E IPP REV:A NEW ISSUE 13-08-30 JLM VERIFIED BY:DD IPP REV:B 13.09.26 AS PER REV.B DD VERF:JLM

Ship Via:

### Bill of Materials

### Job Routing

| Op No | Operation                     | Qty     | Start Date | Due Date | Standard  |         | Workcenter/Supplier      |           | Sign-off    |
|-------|-------------------------------|---------|------------|----------|-----------|---------|--------------------------|-----------|-------------|
|       |                               |         |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier    | Lead Time |             |
| 100   | Doosan - 1                    | 180 pcs | 2/20/19    | 2/20/19  | 0.05      | 10.05   | Doosan - 1               |           |             |
| 120   | QC 8                          | 180 pcs | 2/20/19    | 2/20/19  | 0.00      | 0.00    | QC 8 - 12                |           | mk 19/02/05 |
|       |                               |         |            |          |           |         | QC 8 - 14                |           |             |
|       |                               |         |            |          |           |         | QC 8 - 17                |           |             |
|       |                               |         |            |          |           |         | QC 8 - 20                |           |             |
|       |                               |         |            |          |           |         | QC 8 - 25                |           |             |
|       |                               |         |            |          |           |         | QC 8 - 3                 |           |             |
|       |                               |         |            |          |           |         | QC 8 - 32                |           |             |
|       |                               |         |            |          |           |         | QC 8 - 33                |           |             |
|       |                               |         |            |          |           |         | QC 8 - 35                |           |             |
|       |                               |         |            |          |           |         | QC 8 - 38                |           |             |
|       |                               |         |            |          |           |         | QC 8 - 39                |           |             |
|       |                               |         |            |          |           |         | QC 8 - 4                 |           |             |
|       |                               |         |            |          |           |         | QC 8 - 44                |           |             |
|       |                               |         |            |          |           |         | QC 8 - 45                |           |             |
|       |                               |         |            |          |           |         | QC 8 - 49                |           |             |
|       |                               |         |            |          |           |         | QC 8 - 58                |           |             |
|       |                               |         |            |          |           |         | QC 8 - 8                 |           |             |
|       |                               |         |            |          |           |         | QC 8 - 9                 |           |             |
|       |                               |         |            |          |           |         | QC 8 - 68                |           |             |
|       |                               |         |            |          |           |         | QC 8 - 67                |           |             |
|       |                               |         |            |          |           |         | QC 8 - 1 (A)             |           |             |
| 130   | Handfinish - 1-1 Chemical-B4B | 180 pcs | 2/20/19    | 2/20/19  | 0.00      | 0.88    | Handfinish - 1 - 1 - B4B |           |             |
|       |                               |         |            |          |           |         | Handfinish - 1 - 2 - B4B |           |             |
|       |                               |         |            |          |           |         | Handfinish - 1 - 3 - B4B |           |             |
|       |                               |         |            |          |           |         | Handfinish - 1 - 4 -     |           |             |

|          |         |         |           |                           |             |
|----------|---------|---------|-----------|---------------------------|-------------|
|          |         |         |           | B4B                       |             |
|          |         |         |           | Handfinish - 1 - 5 - B4B  |             |
|          |         |         |           | Handfinish - 1 - 6 - B4B  |             |
|          |         |         |           | Handfinish - 1 - 7 - B4B  |             |
|          |         |         |           | Handfinish - 1 - 8 - B4B  |             |
|          |         |         |           | Handfinish - 1 - 9 - B4B  |             |
|          |         |         |           | Handfinish - 1 - 10 - B4B | D.R.19/2/16 |
|          |         |         |           | Handfinish - 1 - 11 - B4B |             |
|          |         |         |           | Handfinish - 1 - 12 - B4B |             |
|          |         |         |           | Handfinish - 1 - 13 - B4B |             |
|          |         |         |           | Handfinish - 1 - 14 - B4B |             |
|          |         |         |           | Handfinish - 1 - 15 - B4B |             |
|          |         |         |           | Handfinish - 1 - 16 - B4B |             |
|          |         |         |           | Handfinish - 1 - 17 - B4B |             |
|          |         |         |           | Handfinish - 1 - 18 - B4B |             |
|          |         |         |           | Handfinish - 1 - 19 - B4B |             |
|          |         |         |           | Handfinish - 1 - 20 - B4B |             |
|          |         |         |           | Handfinish - 1 - 21 - B4B |             |
|          |         |         |           | Handfinish - 1 - 22 - B4B |             |
| 140 QC 7 | 180 pcs | 2/20/19 | 0.00 0.00 | QC 7 - 10                 |             |
|          |         |         |           | QC 7 - 13                 |             |
|          |         |         |           | QC 7 - 14                 |             |
|          |         |         |           | QC 7 - 15                 |             |
|          |         |         |           | QC 7 - 17                 |             |
|          |         |         |           | QC 7 - 18                 |             |
|          |         |         |           | QC 7 - 19                 |             |
|          |         |         |           | QC 7 - 2                  |             |
|          |         |         |           | QC 7 - 28                 |             |
|          |         |         |           | QC 7 - 3                  |             |
|          |         |         |           | QC 7 - 30                 |             |
|          |         |         |           | QC 7 - 34                 |             |
|          |         |         |           | QC 7 - 36                 |             |
|          |         |         |           | QC 7 - 37                 |             |
|          |         |         |           | QC 7 - 38                 |             |
|          |         |         |           | QC 7 - 41                 |             |
|          |         |         |           | QC 7 - 47                 |             |
|          |         |         |           | QC 7 - 48                 |             |
|          |         |         |           | QC 7 - 51                 |             |
|          |         |         |           | QC 7 - 58                 |             |
|          |         |         |           | QC 7 - 59                 |             |
|          |         |         |           | QC 7 - 6                  |             |
|          |         |         |           | QC 7 - 60                 |             |
|          |         |         |           | QC 7 - 9                  |             |
|          |         |         |           | QC 7 - 68                 |             |

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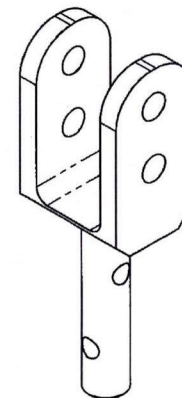
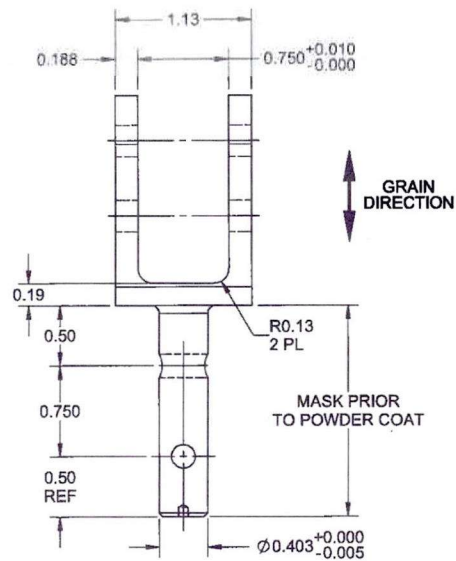
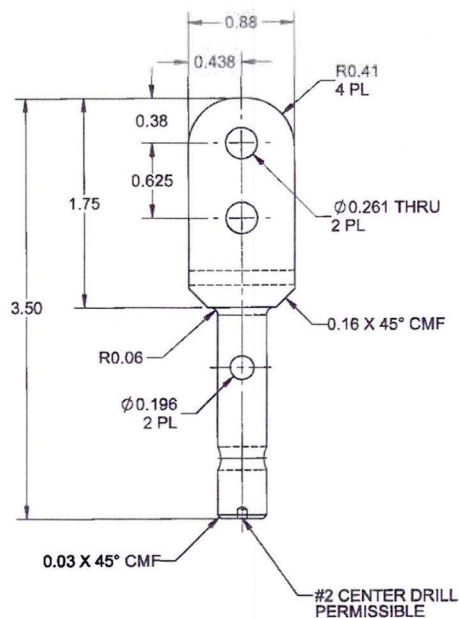
|     |                             |            |         |           |                           |
|-----|-----------------------------|------------|---------|-----------|---------------------------|
|     |                             |            |         | QC 7 - 50 |                           |
|     |                             |            |         | QC 7 - 67 |                           |
| 150 | Packaging 3-1 - Stock - B4B | 180<br>pcs | 2/20/19 | 0.00 0.00 | Packaging 3 - 1 - B4B     |
|     |                             |            |         |           | Packaging 3 - 2 - B4B     |
|     |                             |            |         |           | Packaging 3 - 3 - B4B     |
|     |                             |            |         |           | Packaging 3 - 4 - B4B     |
|     |                             |            |         |           | Packaging 3 - 5 - B4B     |
|     |                             |            |         |           | Packaging 3 - 6 - B4B     |
|     |                             |            |         |           | Packaging 3 - 7 - B4B     |
|     |                             |            |         |           | Packaging 3 - 8 - B4B     |
|     |                             |            |         |           | Packaging 3 - 9 - B4B     |
|     |                             |            |         |           | Packaging 3 - 10 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 11 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 12 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 13 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 14 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 15 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 16 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 17 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 18 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 19 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 20 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 21 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 22 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 23 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 24 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 25 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 26 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 27 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 28 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 29 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 30 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 31 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 32 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 33 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 34 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 35 -<br>B4B |
|     |                             |            |         |           | Packaging 3 - 36 -        |

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|                                                                                                                                                                                                                                                                                                                                                                             |                                           |                                           |                             |                                 |                                    |                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------|-----------------------------|---------------------------------|------------------------------------|--------------------------|
| 160 QC 21 - SA                                                                                                                                                                                                                                                                                                                                                              | 180 pcs                                   | 2/20/19                                   | 0.00                        | 0.00                            | QC 21 - SA - 21<br>QC 21 - SA - 70 | B4B<br>DAG<br>21<br>9-09 |
| Part Op 100 - Doosan (Doosan Lathe) 1-Turn as per Folio and Dwg Dwg rev: _____ Folio rev: _____<br>Descriptions: 120 - (QC8- Inspect parts - second check)<br>130 - (Chemical Conversion Coat per QSI005 4.1)<br>140 - (QC7-Inspect Chemical Conversion Coat)<br>150 - (Identify as per dwg & Stock Location: _____)<br>160 - (QC21- Final Inspection - Work Order Release) |                                           |                                           |                             |                                 |                                    |                          |
| Job BOM                                                                                                                                                                                                                                                                                                                                                                     |                                           |                                           |                             |                                 |                                    |                          |
| Part / Item<br>M6061T6R0.500                                                                                                                                                                                                                                                                                                                                                | Component Name<br>6061-T6 Round Bar .500" | Quantity<br><del>3.6000</del> ft (.02 ea) | Operation<br>100-Doosan - 1 | Container<br>SD-7982<br>5025754 |                                    |                          |
| Job Allocations                                                                                                                                                                                                                                                                                                                                                             |                                           |                                           |                             |                                 |                                    |                          |
| Operation<br>100-Doosan - 1                                                                                                                                                                                                                                                                                                                                                 | Component Part<br>M6061T6R0.500           | Required<br>4                             | Inventory<br>24             | Allocated<br>0                  |                                    |                          |
| Part Specifications                                                                                                                                                                                                                                                                                                                                                         |                                           |                                           |                             |                                 |                                    |                          |
| Spec No                                                                                                                                                                                                                                                                                                                                                                     | Description                               | Target/Tolerance                          | Limits                      | Type                            | Special Comments                   |                          |
| 1                                                                                                                                                                                                                                                                                                                                                                           | Spacer                                    | 0.130Inches ± 0.030                       | 0.160<br>0.100              |                                 |                                    |                          |
| 2                                                                                                                                                                                                                                                                                                                                                                           | Spacer                                    | 0.250Inches ± 0.030                       | 0.280<br>0.220              |                                 |                                    |                          |
| 3                                                                                                                                                                                                                                                                                                                                                                           | Spacer                                    | 0.625Inches ± 0.010                       | 0.635<br>0.615              | Diameter                        |                                    |                          |
| 4                                                                                                                                                                                                                                                                                                                                                                           | Spacer                                    | 0.438Inches ± 0.010                       | 0.448<br>0.428              | Diameter                        |                                    |                          |
| 5                                                                                                                                                                                                                                                                                                                                                                           | Spacer                                    | 0.203Inches ± 0.005<br>- 0.001            | 0.208<br>0.202              | Diameter                        |                                    |                          |



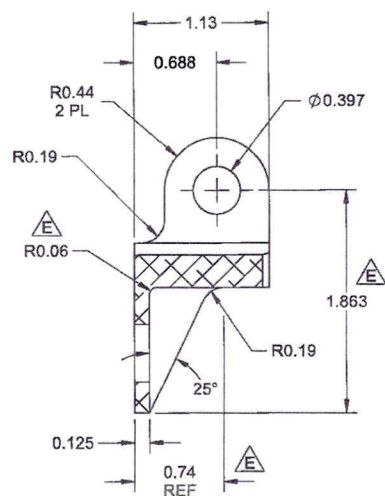
# **D4776-1 BASKET STRUT CLEVIS**

## **NOTES:**

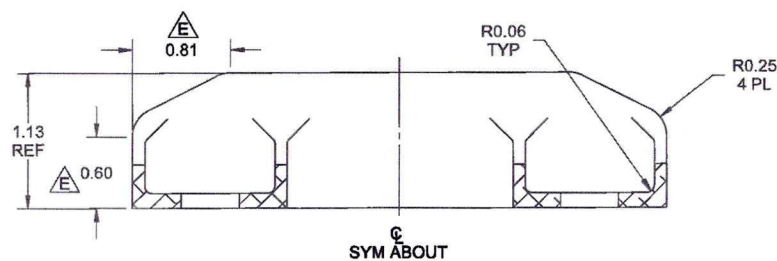
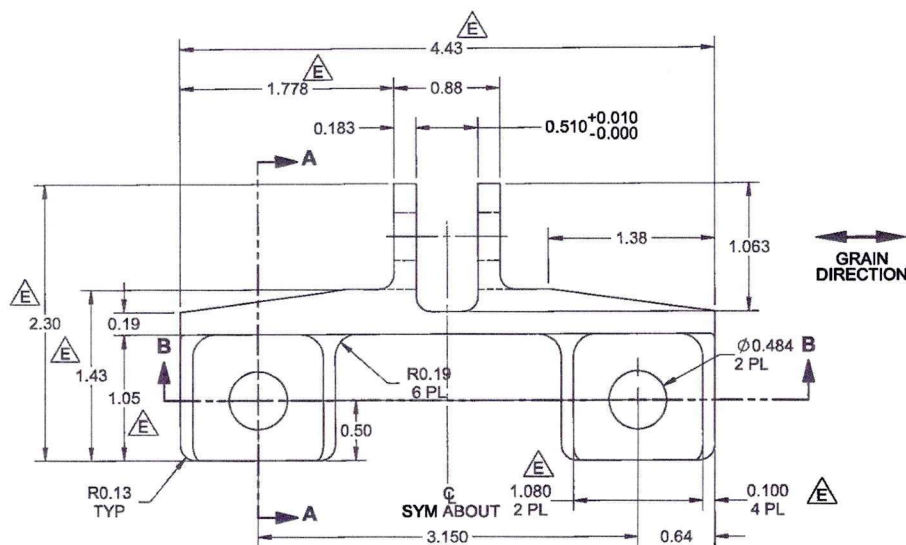
- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
PER QQ-A-225/8 OR AMS-QQ-A-225/8  
(OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221  
REF DART SPEC M6061T6B
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1  
POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.08 lbs

| E          | REVISE -3 PER TR-D350-607-4 STRUCTURAL TEST INPUTS                                                                                                                                                                                               | RF                                                                                                                                                                                                                                                                                             | 18.09.12     |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| D          | SHT 1, C8 CHAMFER ADDED. SEE PAR 14-353. SHT 2 ZONE B2 1.813 DIM ADDED FOR CLARITY. ZONE B3 0.53 DIM CORRECTED TO 0.55 DUE TO DESIGN ERROR SEE PAR 14-328.                                                                                       | AJS                                                                                                                                                                                                                                                                                            | 14.07.14     |
| C          | SHT 2, C7, 1.13 DIM WAS 0.88, C8 0.888 WAS 0.438, ADDED TOP VIEW WITH CHAMFERS. REASON: INTERFERENCE WITH OEM SADDLES.                                                                                                                           | AJS                                                                                                                                                                                                                                                                                            | 13.10.31     |
| B          | MULTIPLE DIMENSIONS UPDATED ON -1 FOR INSTALLATION OF 1/4" FASTENERS. INDEX OF HOLES ON THE STEM OF -1 ROTATED 90°. FINISH ADDED TO -1. TOLERANCE ON CLEVIS FOR -1 & -3 TIGHTENED. ADDED -5. REASON: EASE OF INSTALLATION. C3-2 DEPTH DIM ADDED. | AJS                                                                                                                                                                                                                                                                                            | 13.08.14     |
| A          | NEW ISSUE                                                                                                                                                                                                                                        | AJS                                                                                                                                                                                                                                                                                            | 13.08.08     |
| REV.       | DESCRIPTION                                                                                                                                                                                                                                      | BY                                                                                                                                                                                                                                                                                             | DATE         |
| DESIGN     | AJS                                                                                                                                                                                                                                              | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                       |              |
| DRAWN      | RF                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                |              |
| CHECKED    | VS                                                                                                                                                                                                                                               | DRAWING NO.                                                                                                                                                                                                                                                                                    | REV. E       |
| MFG. APPR. | JFS                                                                                                                                                                                                                                              | <b>D4776</b>                                                                                                                                                                                                                                                                                   | SHEET 1 OF 3 |
| APPROVED   | VS                                                                                                                                                                                                                                               | TITLE                                                                                                                                                                                                                                                                                          | SCALE        |
| DE APPR.   | DSW                                                                                                                                                                                                                                              | <b>BASKET STRUT MACHINED PARTS</b>                                                                                                                                                                                                                                                             | NTS          |
| DATE       | 18.09.12                                                                                                                                                                                                                                         | <small>COPYRIGHT © 2013 BY DART AEROSPACE LTD<br/> THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE REPRODUCED FOR ANY PURPOSE OR COPIED OR TRANSMITTED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> |              |

APPROVED



**SECTION A-A**



**SECTION B-B**

**D4776-3 SKIDTUBE CLEVIS**

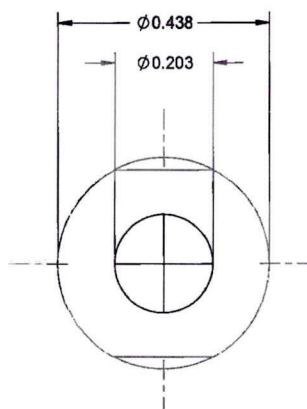
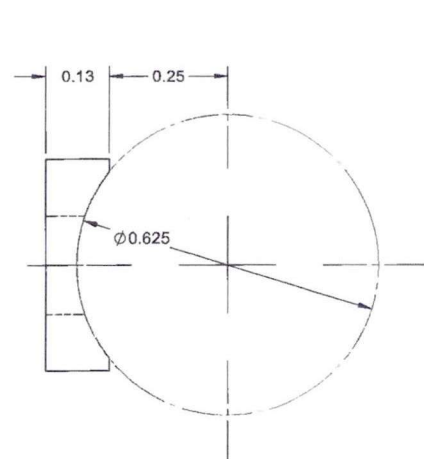
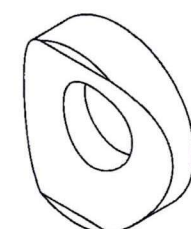
**NOTES:**

- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
PER QQ-A-225/8 OR AMS-QQ-A-225/8  
(OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221  
REF DART SPEC M6061T6B
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1  
POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.1
- 7) WEIGHT: 0.20 lbs

APPROVED

|            |          |                                                                                                                                                                                                                                                                                                  |              |
|------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| DESIGN     | AJS      | <b>DART AEROSPACE LTD</b>                                                                                                                                                                                                                                                                        |              |
| DRAWN      | RF       | HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                                                      |              |
| CHECKED    | VS       | DRAWING NO.                                                                                                                                                                                                                                                                                      | REV. E       |
| MFG. APPR. | JFS      | <b>D4776</b>                                                                                                                                                                                                                                                                                     | SHEET 2 OF 3 |
| APPROVED   | VS       | TITLE                                                                                                                                                                                                                                                                                            | SCALE        |
| DE APPR.   | DSW      | <b>BASKET STRUT MACHINED PARTS</b>                                                                                                                                                                                                                                                               | NTS          |
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**RELEASED**  
2018-12-03  
SCN 15-804



**D4776-5 SPACER**

**NOTES:**

- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR  
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221  
REF DART SPEC M6061T6R
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4776-5" AND B/N PER QSI 044 METHOD 6.7
- 7) WEIGHT: LESS THAN 0.01 lbs

**RELEASED**  
2018-12-03  
ECN 18-284

APPROVED

|            |               |                                                                                                                                                                                                                                                                                              |              |
|------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| DESIGN     | AJS           | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                     |              |
| DRAWN      | RF            |                                                                                                                                                                                                                                                                                              |              |
| CHECKED    | VS            | DRAWING NO.                                                                                                                                                                                                                                                                                  | REV. E       |
| MFG. APPR. | JFS           | <b>D4776</b>                                                                                                                                                                                                                                                                                 | SHEET 3 OF 3 |
| APPROVED   | VS            | TITLE                                                                                                                                                                                                                                                                                        | SCALE        |
| DE APPR.   | DSW <i>PL</i> | <b>BASKET STRUT MACHINED PARTS</b>                                                                                                                                                                                                                                                           | NTS          |
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Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                               |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                               |  |
| Date : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Sequence #: _____                                                                                                                 | QTY Affected : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | MRB (QSI042) _____            |  |
| <b>Description Work Order Deviation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   | <b>Disposition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | <b>Completed By</b>           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | <b>Lead hand / Supervisor</b> |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | <b>QC / QA Coordinator</b>    |  |
| <b>Root Cause</b><br><br><div style="display: flex; flex-direction: column; align-items: flex-start;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Preservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div style="width: 50%;"> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div style="width: 50%;"> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div style="width: 50%;"> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |  |                               |  |
| Other/Details: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                               |  |